CIVIL TECH LABS

Accredited by **NABL** as per ISO / IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

18th May 2015

Dear Sir,

Sub: Testing of Bituminous Concrete.

As requested, the required tests were carried out for the Bituminous Concrete samples supplied by you, for the work of **'Providing and Filling of pot holes and patch repairs in Ananthpura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no:03'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO D.)
Quality Manager

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON DETERMINATION OF BITUMEN CONTENT ON BITUMINOUS CONCRETE MIX-GRADE 2

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Providing and Filling of pot holes and patch repairs in Ananthpura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no:03.
Name of Agency	Sri. R. Sathish
Date of Testing	18/05/2015

A)

Sl. No.	Test	Test Method	Technical Reference
1	Extraction of mineral aggregate	Test Method A (Centrifuge Method)	ASTM: D2172/ D2172M-11
2	Determination of amount of mineral matter/fines in the extract	Ashing Method	

B)

Specification: As Per MORTH (4th Revision) Table 500-18, Bitumen Content for BC Grade-2 is 5% to 7%		
Sl. No.	**Description**	**Values**
1	Weight of bituminous mixture before extraction test, W_1 g	2000.00
2	Weight of mineral aggregate obtained from centrifuge extractor, W_2 g	1874.30
3	Weight of mineral matter in the total volume of extract (by asking), W_3 g	12.90
4	Total weight of aggregate in the bituminous mixture, W_4 g = (W_2 +W_3) g	1887.20
5	Total weight of Bitumen extracted from the mixture, W_5 g = (W_1-W_4) g	112.80
6	Bitumen content in %, (W_5/W_1) %	5.64

Remarks	Satisfies the requirement.

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AEE

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4124 2867, Email: civiltechlabs@gmail.com

TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Providing and Filling of pot holes and patch repairs in Ananthpura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no:03.
Name of Agency	Sri. R. Santosh
Date of Testing	18/05/2015
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011)

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-18 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	100	Satisfies the requirements
13.2	79-100	98.3	
9.5	70-88	84.2	
4.75	53-71	65.3	
2.36	42-58	46.1	
1.18	34-48	35.3	
0.6	26-38	30.8	
0.3	18-28	23.4	
0.15	12-20	15.9	
0.075	4-10	7.6	

Note:

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Lab Incharge
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TEST REPORT

GRADATION TEST ON BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Providing and Filling of pot holes and patch repairs in Anantapura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no 03.
Name of Agency	Sri. R. Sathish
Date of Testing	18/05/2016
Technical Reference	IS : 2386(Part I)-1963 (Reaffirmed 2011)

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-15 for BC Grade-2**	**Actual % By Weight Passing IS Sieve**	**Remarks**
19	100	**100**	**Satisfies the requirements**
13.2	79-100	**97.6**	
9.5	70-88	**83.2**	
4.75	53-71	**64.1**	
2.36	42-58	**45.1**	
1.18	34-48	**36.2**	
0.6	26-38	**31.9**	
0.3	18-28	**24.2**	
0.15	12-20	**15.9**	
0.075	4-10	**7.9**	

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Lab Incharge
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T-2654

To,

Assistant Executive Engineer
Yelahanka Satalite Town Sub Division,
BBMP.

04th May 2015

Dear Sir,

Sub: Testing of Wet Mix Macadam.

As requested, the required tests were carried out for the Wet Mix Macadam samples supplied by you, for the work of **'Providing and Filling of pot holes and patch repairs in Ananthpura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no:03'.**

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Quality Manager

AEE

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TEST REPORT

GRADATION TEST ON WET MIX MACADAM

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BUIP
Name of Work	Providing and Filling of pot holes and patch repairs in Anandapura, Doddabettahalli, 4th phase, AMS Layout and other areas in Attur ward no 03.
Name of the Agency	Sri. R. Sathish
Date of Testing	04/05/2015
Technical Reference	MORTH Table 400-11

IS Sieve Designation (mm)	% By Weight Passing IS Sieve	Actual % By Weight Passing IS Sieve	Remarks
53	100	100	Satisfies Requirements
45	95-100	98.5	
22.4	60-80	74.2	
11.2	40-60	53.4	
4.75	25-40	33.4	
2.36	15-30	25.1	
0.6	8-22	18.9	
0.075	0-8	8.2	

Note:
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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

AEE